

PATENTS  
8011-16

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : James J. Fallon et al.

Application No. : 10/076,013 Conf. No.: 7350

Filed : February 13, 2002

For : BANDWIDTH SENSITIVE DATA COMPRESSION AND DECOMPRESSION

Art Unit : 2611

Examiner : Tesfaldet Bocure

Mail Stop RCE  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

New York, New York 10036  
 July 17, 2007

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, applicants hereby make the following documents of record in the above-identified patent application:

U.S. Patent Documents

5,434,983	Yaso et al.	07-18-1995	(2)
5,483,470	Alur et al.	01-09-1996	(10)
5,574,953	Rust et al.	11-12-1996	
5,611,024	Campbell et al.	03-11-1997	(10)
5,640,158	Okayama et al.	06-17-1997	(4)
5,686,916	Bakhmutsky	11-11-1997	(4)
5,864,342	Kajiya et al.	01-26-1999	(5,6)
5,867,602	Zandi et al.	02-02-1999	(5,6)
5,978,483	Thompson, Jr. et al.	11-02-1999	(10)

6,008,743	Jaquette	12-28-1999	(3)
6,091,777	Guetz et al.	07-18-2000	(5,6)
6,195,465	Zandi et al.	02-27-2001	(5,6)
6,222,886	Yogeshwar	04-24-2001	(7,8)
6,272,178	Nieweglowski et al.	08-07-2001	(11)
6,308,311	Carmichael et al.	10-23-2001	(1)
6,392,567	Satoh	05-21-2002	(3)
6,404,931	Chen et al.	06-11-2002	(4)
6,532,121	Rust et al.	03-11-2003	(7,8)
6,577,254	Rasmussen	06-10-2003	(3)
6,604,040	Kawasaki et al.	08-05-2003	(3)
6,661,845	Herath	12-09-2003	(10)
6,717,534	Yokose	04-06-2004	(4)
6,731,814	Zeck et al	05-04-2004	(3)
6,756,922	Ossia	06-29-2004	(4)
6,810,434	Muthujumaraswathy et al.	10-26-2004	(1)
6,885,316	Mehring	04-26-2005	(3)
6,885,319	Geiger et al.	04-26-2005	(3,4)
6,909,383	Shokrollahi et al.	06-21-2005	(4)
7,102,544	Liu	09-05-2006	(4)
7,130,913	Fallon	10-31-2006	(2,9)
7,161,506	Fallon	01-09-2007	(11)
7,190,284	Dye et al.	03-13-2007	(4)
2001/ 0031092	Zeck et al.	10-18-2001	(3)
2002/ 0101367	Geiger et al.	08-01-2002	(3)

#### Non-Patent Documents

MILLMAN, HOWARD, "Image and video compression", Computerworld, Vol. 33, Issue No. 3, January 18, 1999, pp. 78

"IBM boosts your memory", Geek.com [online], June 26, 2000 [retrieved on July 6, 2007], <URL: <http://www.geek.com/ibm-boosts-your-memory/>>

"IBM Research Breakthrough Doubles Computer Memory Capacity", IBM Press Release [online], June 26, 2000 [retrieved on July 6, 2007], <URL: <http://www-03.ibm.com/press/us/en/pressrelease/1653.wss>>

"ServerWorks To Deliver IBM's Memory eXpansion Technology in Next-Generation Core Logic for Servers", ServerWorks Press Release [online], June 27, 2000 [retrieved on July 14, 2000], <URL: <http://www.serverworks.com/news/press/000627.html>>

ABALI, B., et al., "Memory Expansion Technology (MXT) Software support and performance", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 287-301

FRANASZEK, P. A., et al., "Algorithms and data structures for compressed-memory machines", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 245-258

FRANASZEK, P. A., et al., "On internal organization in compressed random-access memories", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 259-270

SMITH, T.B., et al., "Memory Expansion Technology (MXT) Competitive impact", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 303-309

TREMAINE, R. B., et al., "IBM Memory Expansion Technology (MXT)", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 271-285

Copies of the aforementioned non-patent documents, which are listed on the accompanying Form SB/08A (submitted in duplicate), are enclosed herewith.

The above-identified documents marked with the numeral one, (1), were cited in the U.S. Patent Application No. 11/400,712 in the Office Action mailed on November 2, 2006.

The above-identified document marked with the numeral two, (2), was cited in the U.S. Patent Application No. 11/400,674 in the Office Action mailed on February 5, 2007.

The above-identified documents marked with the numeral three, (3), were cited in the U.S. Patent Application No. 11/651,175 in the Notice of Allowance mailed on April 3, 2007.

The above-identified documents marked with the numeral four, (4), were cited in the U.S. Patent Application No. 11/651,366 in the Office Action mailed on May 1, 2007.

The above-identified documents marked with the numeral five, (5), were cited in the U.S. Patent Application No. 11/400,008 in the Office Action mailed on June 19, 2007.

The above-identified documents marked with the numeral six, (6), were cited in the U.S. Patent Application No. 11/400,322 in the Office Action mailed on June 19, 2007.

The above-identified documents marked with the numeral seven, (7), were cited in the U.S. Patent Application No. 11/553,426 in the Office Action mailed on June 29, 2007.

The above-identified documents marked with the numeral eight, (8), were cited in the U.S. Patent Application No. 11/553,427 in the Office Action mailed on June 29, 2007.

The above-identified document marked with the numeral nine, (9), was cited in the U.S. Patent Application No. 11/553,419 in the Office Action mailed on April 9, 2007.

The above-identified documents marked with the numeral ten, (10), were cited in the U.S. Patent Application No. 09/969,987 in the Office Action mailed on March 23, 2007.

The above-identified documents marked with the numeral eleven, (11), were cited in the U.S. Patent Application No. 11/400,533 in the Office Action mailed on July 10, 2007.

Documents included in the above-identified Office Actions and Notices of Allowance that are not being cited herewith are already of record in the present application. Applicants direct the Examiner's attention to the respective prosecution histories of each of the above cases.

Applicants further direct the Examiner's attention to the prosecution history of U.S. Patent Application No. 11/230,953, including the Office Action mailed on June 4, 2007.

Applicants further direct the Examiner's attention to the prosecution history of U.S. Patent Application No. 10/306,581, including the Office Action mailed on April 13, 2007.

Applicants further direct the Examiner's attention to the prosecution history of U.S. Patent Application No. 11/400,340, including the Office Action mailed on July 10, 2007.

It is respectfully requested that these documents be: (1) fully considered by the Patent and Trademark Office during the examination of this application; and (2) printed on any patent which may issue on this application. Applicants request that a copy of Form SB/08A, as considered and initialed by the Examiner, be returned with the next communication.

This Statement is submitted before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114. In accordance with 37 C.F.R. §1.97(b)(4), submission of this Statement requires no fee. The Director is hereby authorized to charge payment of any fees required in connection with this paper to Deposit

Account No. 06-1075, Order No. 103532-0002. A duplicate copy  
of this paper is being submitted herewith.

An early and favorable action is respectfully  
requested.

Respectfully submitted,



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Substitute for form 1449A/PTO				<b>Complete if known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/076,013
Sheet	1	of	3	Filing Date	February 13, 2002
				First Named Inventor	Fallon
				Art Unit	2611
				Examiner Name	Tesfaldet Bocure
				Attorney Docket Number	8011-16

U.S. PATENT DOCUMENTS					
Examiner initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code <sup>2</sup> (if known)			
		5,434,983	07-18-1995	Yaso et al.	
		5,483,470	01-09-1996	Alur et al.	
		5,574,953	11-12-1996	Rust et al.	
		5,611,024	03-11-1997	Campbell et al.	
		5,640,158	06-17-1997	Okayama et al.	
		5,686,916	11-11-1997	Bakhmutsky	
		5,864,342	01-26-1999	Kajiya et al.	
		5,867,602	02-02-1999	Zandi et al.	
		5,978,483	11-02-1999	Thompson, Jr. et al.	
		6,008,743	12-28-1999	Jaquette	
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		6,195,465	02-27-2001	Zandi et al.	
		6,222,886	04-24-2001	Yogeshwar	
		6,272,178	08-07-2001	Nieweglowski et al.	
		6,308,311	10-23-2001	Carmichael et al.	
		6,392,567	05-21-2002	Satoh	
		6,404,931	06-11-2002	Chen et al.	
		6,532,121	03-11-2003	Rust et al.	
		6,577,254	06-10-2003	Rasmussen	
		6,604,040	08-05-2003	Kawasaki et al.	
		6,661,845	12-09-2003	Herath	
		6,717,534	04-06-2004	Yokose	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if known</b>	
Sheet	2	of	3	Application Number	10/076,013
				Filing Date	February 13, 2002
				First Named Inventor	Fallon
				Art Unit	2611
				Examiner Name	Tesfaldet Bocure
				Attorney Docket Number	8011-16

	6,731,814	05-04-2004	Zeck et al	
	6,756,922	06-29-2004	Ossia	
	6,810,434	10-26-2004	Muthujumaraswathy et al.	
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	6,885,319	04-26-2005	Geiger et al.	
	6,909,383	06-21-2005	Shokrollahi et al.	
	7,102,544	09-05-2006	Liu	
	7,130,913	10-31-2006	Fallon	
	7,161,506	01-09-2007	Fallon	
	7,190,284	03-13-2007	Dye et al.	
	2001/0031092	10-18-2001	Zeck et al.	
	2002/0101367	08-01-2002	Geiger et al.	

NON PATENT LITERATURE DOCUMENTS				
Examiner initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
		MILLMAN, HOWARD, "Image and video compression", Computerworld, Vol. 33, Issue No. 3, January 18, 1999, pp. 78		
		"IBM boosts your memory", Geek.com [online], June 26, 2000 [retrieved on July 6, 2007], <URL: http://www.geek.com/ibm-boosts-your-memory/>		
		"IBM Research Breakthrough Doubles Computer Memory Capacity", IBM Press Release [online], June 26, 2000 [retrieved on July 6, 2007], <URL: http://www-03.ibm.com/press/us/en/pressrelease /1653.wss>		

Examiner Signature	Date Considered
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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Sheet	3	of	3	<b>Attorney Docket Number</b>	8011-16

	"ServerWorks To Deliver IBM's Memory eXpansion Technology in Next-Generation Core Logic for Servers", ServerWorks Press Release [online], June 27, 2000 [retrieved on July 14, 2000], <URL: http://www.serverworks.com/news/press/ 000627.html>	
	ABALI, B., et al., "Memory Expansion Technology (MXT) Software support and performance", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 287-301	
	FRANASZEK, P. A., et al., "Algorithms and data structures for compressed-memory machines", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 245-258	
	FRANASZEK, P. A., et al., "On internal organization in compressed random-access memories", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 259-270	
	SMITH, T.B., et al., "Memory Expansion Technology (MXT) Competitive impact", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 303-309	
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